



# Model GC-600GAB

INSTALLATION GUIDE FOR:

## INSTALLATION IN GM & CHRYSLER VEHICLES

Form No. 128-5223

### Parts List:

ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	GM Wiring Adapter Harness	1	6	Mounting Tab #1	1
2	9.5 mm Quickie Bolt	4	7	Mounting Tab #2	2
3	14.0 mm Quickie Bolt	1	8	Mounting Tab #3	1
4	8.0 mm Hex Head Flange Nut	4	9	1/4" Hex Head Sheet Metal Screw	4
5	Rear Support Bushing	1	10	10.0 mm Hex Head Sheet Metal Screw	2

### GENERAL:

#### 1. Dash Disassembly

**NOTE:** Locations and types of fasteners will vary depending on the make and model of vehicle. Carefully check the dash for all fasteners that may require removal in order to remove factory radio from sub-dash.

- 1) Remove screws securing the upper or lower portion of the dash panel.
- 2) Remove screws above instrument cluster and all screws from trim panel that surround the factory radio.
- 3) Remove ash tray and open glove box to see if there are any screws that need to be removed from dash panel.
- 4) Gear shifter may need to be in low gear to allow for dash panel removal.
- 5) Gently unclip and remove dash panel. **NOTE:** Do not discard any screws.

#### 2. Factory Radio Removal

- 1) Remove any hardware securing the factory radio assembly to the sub-dash. **Do not discard any hardware.**
- 2) Disconnect the wiring and antenna cable from the factory radio.

#### 3. Removing Brackets from Factory Radio

- 1) Remove all nuts that secure the original factory brackets.
- 2) Remove and retain the original mounting brackets from the factory radio.

**NOTE:** Not all radios have removable mounting brackets. In this case, please consult your SPS Applications Guide for the necessary installation kit and accessories.

#### 4. Backlighting Color Selection

- 1) Locate the backlighting color selection switch on the top of the GC-600 radio chassis.
- 2) Set the switch to "RED" or "BLUE / GREEN" to match the vehicle's instrument panel illumination.

#### 5. Frequency Band / Channel Spacing Selection

This unit is set at the factory for reception of North American radio stations (10 KHz. channel spacing on AM, 200 KHz. spacing on FM). Use in other areas of the world may require different channel spacing and frequency bands. If necessary to select another setting, use the following procedure:

- 1) Switch the vehicle ignition "on" and the radio "off" (clock time will appear on the display panel).
- 2) Pressing Station Pre-set buttons 1 and 4 at the same time will change the frequency band/channel spacing. Each press of the buttons will select a different setting as follows:

LOCATION	DISPLAY INDICATION	FREQUENCY BANDS / CHANNEL SPACING
Australia	AU	AM : 531 - 1,602 KHz. / 9 KHz. FM : 87.5 - 108.0 MHz. / 100 KHz.
Europe	EU	AM : 522 - 1,620 KHz. / 9 KHz. FM : 87.5 - 108.0 MHz. / 50 KHz.
South America	SA	AM : 530 - 1,720 KHz. / 5 KHz. FM : 87.5 - 108.0 MHz. / 100 KHz.
North America	US	AM : 530 - 1,710 KHz. / 10 KHz. FM : 87.9 - 107.9 MHz. / 200 KHz.

- 3) After making your selection, turn the radio on and press Pre-set buttons 1 and 4 again to verify the setting as shown by the display indication.

**IMPORTANT!** If the radio is disconnected, loses power (dead vehicle battery), or the Re-Set button on the front panel is pressed for any reason, the unit will re-set itself to the North America setting ("US" on display panel). If this is not the desired setting, it will be necessary to re-set the unit as described above.

## TYPICAL GM APPLICATION: (See Figure 4)

### 1. Radio Preparation

- 1) Match quickie bolt locations on the GC-600GAB radio to the factory radio bolt locations and snap the short quickie bolts (Item #2) into the appropriate locations.
- 2) Attach the original factory brackets or those from the radio mounting kit (if required) to the GC-600GAB radio using the supplied flange nuts (Item #4).
- 3) Some vehicle applications incorporate a rear mounting support. Match the rear quickie bolt on the GC-600GAB radio to the rear factory radio bolt location and snap the long quickie bolt (Item #3) into place. Thread the plastic rear bushing (Item #5) fully onto the quickie bolt.
- 4) Plug supplied wire harness (Item #1) into the mating socket on the rear of the GC-600GAB.

### 2. Steering Wheel Control (SWC)

The GC-600GAB can be operated in conjunction with the steering wheel controls offered on many Chevrolet and Pontiac vehicles. If the vehicle has steering wheel controls, follow the steps below for proper operation.

- 1) Locate the SWC wire on the vehicle side radio harness. This is usually a light green wire in most Chevrolet and Pontiac applications. Please consult the vehicle's service manual if you are not certain of the SWC wire location and color.
- 2) T-Tap or splice the single blue w/red stripe wire from the radio into the SWC wire from the vehicle side radio harness. Make certain the splice is properly routed and insulated to avoid shorting to sub-dash.

### 3. Installation

- 1) Connect the wiring harness from the radio to the vehicle side radio harness.
- 2) Plug the factory antenna cable into the antenna socket on the radio.
- 3) If a compatible CD changer is to be used with this radio, connect the DIN cable from the changer to the mating socket on the radio. If an external amplifier will be used for the rear speakers, connect the low-level output RCA leads from the radio to the low-level inputs on the amplifier.
- 4) Perform a brief functional test of radio to verify proper performance.
- 5) After verification, turn off the ignition switch and fasten the radio to the sub-dash using the mounting hardware previously removed from the factory radio.
- 6) Re-assemble the dash using the reverse of the disassembly procedure.

## TYPICAL CHRYSLER APPLICATION: (See Figure 5)

**IMPORTANT!** It will be necessary to purchase separately the **AK-95-CPC** Chrysler power/speaker wiring adapter and the **AK-94-GMMB** antenna adapter for installation into all Chrysler/Dodge/Plymouth and Jeep vehicles.

### 1. Radio Preparation

- 1) Select two of the three mounting tabs provided (Items 6, 7 and 8) and match the radio mounting style of the vehicle according to Figures 1 through 3 below. **NOTE:** Tab number is stamped on bottom of tab.
- 2) Attach the mounting tabs to the radio chassis with the four 1/4" hex head screws provided (Item #9).
- 3) Attach the 14-pin connector from the AK-95-CPC harness (purchased separately) to the radio.
- 4) Plug the AK-94-GMMB antenna adapter cable (purchased separately) into the antenna socket on the radio.

### 2. Installation

- 1) Attach ring lug on ground wire (black w/white stripe) from radio side harness along with the vehicle side grounding strap to the rear of the radio chassis using the short quickie bolt (Item #2) and the flange nut (Item #4) provided.
- 2) Connect mating side of AK-95-CPC harness to vehicle side wiring harness.
- 3) Connect the vehicle antenna cable to the radio antenna adapter cable.
- 4) If a compatible CD changer is to be used with this radio, connect the DIN cable from the changer to the mating socket on the radio. If an external amplifier will be used for the rear speakers, connect the low-level output RCA leads from the radio to the low-level inputs on the amplifier.
- 5) Perform a brief functional test of radio to verify proper performance.
- 6) After verification, turn off ignition switch and install into sub-dash of the vehicle using either the two 10 mm hex head screws (Item #10) provided or the existing factory hardware.
- 7) Re-assemble dash using reverse of the disassembly procedure.

